


DASH NO.	APPLICATION		REVISIONS			
	NEXT ASSY	USED ON	REV	DESCRIPTION	DATE	APPROVED
			1	RELEASE PER ECO 100791	1-9-07	JM
			2	REVISE PER ECO 101093	7-29-13	JM
			A1	ECN # 17-0281	12-29-17	

REVISION	SHT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
STATUS	LETTER	2	2																					
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70

PMI CONFIDENTIAL & PROPRIETARY: The information contained herein is the property of PMI. Its use or reproductions is prohibited except as provided for by prior written authorization from PMI	PLANAR MONOLITHICS INDUSTRIES, INC. 4921 ROBERT J. MATHEWS PKWY, EL DORADO HILLS CA 95762 916-542-1401
CONTRACT NO.	TEST DATA SHEET THRESHOLD DETECTOR GMTA-1003
DRAWN: CAMERON N 1-09-07	
CHECKED	
PROJ ENGR JOHN M 1-09-07	
PROG MGR	
MFG ENGR	
QA ENGR	
RELIABILITY:	
CUSTOMER	

	SIZE A	CAGE CODE 71A34	DWG. NO. ETD000030	REVISION A1
	SCALE			SHEET 1 OF 2

MODEL NO.: GMTA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL41636

PARAMETER	SPECIFICATION	MEASUREMENT
THRESHOLD LEVEL	Pin = -42 dBm @ 25 ° C	-40.3 dBm Average
RESPONSE TIME @ TTL " I " / TTL " O "	100 μs max	<10us
INPUT VSWR	2.5 : 1 @ Pin = -10 dBm	2.45:1 See Attached Plots
DC POWER SUPPLY NO RF SIGNAL	+12V @ 200 mA	73mA

THRESHOLD SETTING STABILITY

± 3 dB max OVER FREQUENCY @ TEMPERATURE

FREQ.	8 GHz	10 GHz	12 GHz	14 GHz	16 GHz	18 GHz
Pin @ 25 ° C	-41.6	-41.9	-39.2	-39.9	-40.1	-39.3
Pin @ 0 ° C	-41.8	-42.1	-39.3	-40.1	-40.3	-39.6
Pin @ 85 ° C	-41.4	-41.6	-38.9	-39.6	-39.9	-39.0

SIZE
ACAGE CODE
71A34DWG. NO.
ETD000030

REVISION A1

SCALE

SHEET 2 OF 2

MODEL NO.: GM-TA-1003

FREQUENCY: 8 – 18 GHz

SERIAL NO.: PL41636

Input VSWR



TESTED BY: W

DATE: 8/18/23

QA BY: A Zimmerman

DATE: 8-18-23

	SIZE A	CAGE CODE 71A34	DWG. NO. ETD000030	REVISION A1
	SCALE			SHEET 3 OF 2